

# CURRICULUM VITAE

NAME: Jason Lewis Picconi, M.D., Ph.D., FACMG, FACOG

WORK ADDRESS: Avera Maternal-Fetal Medicine  
Plaza 1, Suite 100  
1417 South Cliff Avenue  
Sioux Falls, SD 57105  
Voice: 605-322-8937  
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EDUCATION:

Fellowship: University of Iowa Hospitals and Clinics  
Iowa City, Iowa  
1 July 2010 – 30 June 2014  
Maternal-Fetal Medicine  
“Kidney-specific expression of GFP by *in-utero* delivery of pseudotyped adeno-associated virus 9”  
Mentor: Patrick D Brophy, MD

Fellowship: University of Iowa Hospitals and Clinics  
Iowa City, Iowa  
1 July 2010 – 30 June 2014  
Medical Genetics and Genomics  
Mentor: Val Sheffield, MD, PhD

Residency: Wayne State University / Detroit Medical Center  
Detroit, Michigan  
1 July 2006 – 18 June 2010  
Obstetrics and Gynecology  
Mentor: Giancarlo Mari, MD

Medical School: Creighton University Medical Center  
Omaha, Nebraska  
17 August 1998 – 13 May 2006  
Doctor of Medicine

Graduate School: Creighton University Medical Center  
Omaha, Nebraska  
17 August 1998 – 13 May 2006  
Doctor of Philosophy (Biomedical Sciences)  
“*In-Vitro* Regulation of *Ptgs2* and *Nos3* Expression in Clonal Osteogenic Cells Following Pulsatile Fluid Flow”  
Mentor: Mark L Johnson, PhD

Undergraduate: Creighton University  
Omaha, Nebraska  
12 August 1995 – 16 May 1998  
Bachelor of Science (Biology) *Cum Laude*

CERTIFICATION: Fellow, American College of Medical Genetics and Genomics  
27 January 2013  
Fellow, American College of Obstetricians and Gynecologists  
15 March 2016

American Board of Medical Genetics and Genomics  
Diplomate, Clinical Genetics and Genomics  
1 September 2013  
American Board of Obstetrics and Gynecology  
Diplomate, General Obstetrics and Gynecology  
6 November 2015  
Diplomate, Maternal-Fetal Medicine  
7 April 2017

United States Medical Licensing Examination  
Step 1 19 July 2000  
Step 2 CK 19 October 2005  
Step 2 CS 21 September 2005  
Step 3 28-29 June 2007

Nuchal Translucency Education and Quality Review Program  
15 November 2018

American Heart Association HeartCode BLS Provider  
Expires 30 April 2020

MEDICAL LICENSURE: Iowa Board of Medicine  
Minnesota Board of Medical Practice  
South Dakota Board of Medical and Osteopathic Examiners  
Michigan Board of Medicine (Inactive)

HOSPITAL PRIVILEGES:  
Current Institutions: Milbank Area Hospital Avera  
301 Flynn Drive  
Milbank, SD 57252  
(605) 432-5412  
Telemedicine Privileges  
February 2019 - Present

Lakes Regional Healthcare  
Highway 71 South  
Spirit Lake, IA 51360  
(712) 336-1230

Telemedicine Privileges  
November 2017 – Present

Avera St. Mary's Hospital  
801 East Sioux  
Pierre, SD 57501  
(605) 224-3100  
Telemedicine Privileges  
July 2016 – Present

Avera St. Luke's Hospital  
305 South State Street  
Aberdeen, SD 57401  
(605) 622-5000  
Telemedicine Privileges  
September 2015 – Present

Brookings Health System  
300 22<sup>nd</sup> Avenue  
Brookings, SD 57006  
(605) 696-9000  
Telemedicine Privileges  
November 2014 – Present

Avera Marshall Regional Medical Center  
300 South Bruce Street  
Marshall, MN 56258  
(507) 532-9661  
Telemedicine Privileges  
October 2014 – Present

Madison Regional Health System  
323 SW 10<sup>th</sup> Street  
Madison, SD 57042  
(605) 256-6551  
Telemedicine Privileges  
October 2014 – Present

Avera McKennan Hospital & University Health Center  
1325 South Cliff Avenue  
Sioux Falls, SD 57105  
(605) 322-8000  
September 2014 – Present

Avera Queen of Peace Hospital  
525 North Foster Street  
Mitchell, SD 57301  
(605) 995-2000

Telemedicine Privileges  
May 2014 – Present

Pipestone County Medical Center  
916 4<sup>th</sup> Avenue SW  
Pipestone, MN 56164  
(507) 825-5811  
Telemedicine Privileges  
March 2014 – Present

Previous Institutions:

449 Combat Aviation Brigade  
Brigade Aid Station  
Camp Taji, Iraq  
June 2018 – September 2018

248 Area Support Battalion  
Battalion Aid Station  
Camp Buehring, Kuwait  
June 2018 – September 2018

75<sup>th</sup> Combat Support Hospital  
Camp Arifjan, Kuwait  
June 2018 – September 2018

William Beaumont Army Medical Center  
5005 North Piedras Street  
El Paso, TX 79920  
(915) 742-2273  
June 2018 – September 2018

Carl R. Darnall Army Medical Center  
Department of Obstetrics and Gynecology  
36000 Darnall Loop  
Fort Hood, TX 76544  
(254) 288-8568  
June 2014 – November 2014

University of Iowa Hospitals and Clinics  
Department of Obstetrics and Gynecology  
200 Hawkins Drive  
Iowa City, IA 52242  
(319) 356-3180  
July 2011 – June 2014

Mercy Medical Center  
Department of Obstetrics and Gynecology  
1111 6<sup>th</sup> Avenue  
Des Moines, IA 50314

(515) 643-6888  
April 2011 – August 2013

Madigan Army Medical Center  
Department of Obstetrics and Gynecology  
9040 Fitzsimmons Drive  
Tacoma, WA 98431  
(253) 968-1161  
June 2011 – June 2012

Camp Grayling Troop Medical Center  
Camp Grayling, Michigan  
Walter Reed Army Medical Center  
Department of medicine  
6900 Georgia Avenue, NW  
Washington, D.C. 29307  
(301) 319-4790  
July 2009 – July 2010

#### ACADEMIC APPOINTMENTS:

|                              |   |
|------------------------------|---|
| Associate Professor          | Department of Obstetrics and Gynecology<br>Sanford School of Medicine<br>University of South Dakota<br>Vermillion, South Dakota<br>2018 - Present                         |
| Clinical Associate Professor | Department of Obstetrics and Gynecology<br>Sanford School of Medicine<br>University of South Dakota<br>Vermillion, South Dakota<br>2017 - 2018                            |
| Clinical Assistant Professor | Department of Obstetrics and Gynecology<br>Sanford School of Medicine<br>University of South Dakota<br>Vermillion, South Dakota<br>2015 – 2017                            |
| Lecturer                     | Department of Obstetrics and Gynecology<br>Roy J. and Lucille A. Carver College of Medicine<br>University of Iowa Hospitals and Clinics<br>Iowa City, Iowa<br>2011 - 2014 |
| Adjunct Professor            | Department of Natural Sciences and Mathematics<br>College of Saint Mary<br>Omaha, Nebraska<br>2000 – 2001   |

TEACHING SERVICE:

|                         |  |
|-------------------------|--|
| Clerkship Preceptor     | Pillar 3 Perinatology (MFM) Clerkship<br>Course # OGYN 822-2<br>University of South Dakota Sanford School of Medicine<br>2018 - Present  |
| Lecturer                | M1 Medical Genetics Course<br>Course # PEDS:8104<br>Prenatal Diagnosis<br>Principles of Mendelian Genetics I:<br>Autosomal Dominant and Recessive Inheritance<br>Principles of Mendelian Genetics II:<br>X-Linked Recessive and Dominant Inheritance<br>University of Iowa Carver College of Medicine<br>2011 - 2014 |
| Small Group Facilitator | M1 Medical Genetics Course<br>Course # PEDS:8104<br>University of Iowa Carver College of Medicine<br>2011 - 2014   |
| Lecturer                | M3 Clinical Obstetrics and Gynecology Clerkship<br>Course # OBG:8301<br>Complications of Pregnancy in the Second and<br>Third Trimesters<br>University of Iowa Carver College of Medicine<br>2010 – 2014   |
| Small Group Facilitator | M1 Medicine and Society I Course<br>Course # MED:8122<br>University of Iowa Carver College of Medicine<br>2013   |
| Small Group Facilitator | M1 Medicine and Society II Course<br>Course # MED:8132<br>University of Iowa Carver College of Medicine<br>2014  |
| Instructor              | Basic Life Support<br>American Heart Association<br>2001 – 2006  |
| Instructor              | Emergency Medical Technician Course<br>National Registry of Emergency Medical Technicians<br>2002 – 2006   |
| Instructor              | Pre-Hospital Trauma Life Support Course  |

National Association of Emergency Medical Technicians  
2002 – 2006

Course Director      Molecular Biology Lecture and Laboratory  
Department of Natural Sciences and Mathematics  
College of Saint Mary  
Omaha, Nebraska  
2000 – 2001

Tutor      Molecular and Cellular Biology II  
Creighton University School of Medicine  
Omaha, Nebraska  
2000 - 2004

Teaching Assistant      General Biology Laboratory  
Theodore E. Burk, Ph.D.  
Department of Biology  
Creighton University  
1998 – 1998

Tutor      Human Biology Course  
Athletic Department  
Creighton University  
Omaha, Nebraska  
1998 – 1998

Teaching Assistant      Animal Physiology Laboratory  
Jane C. Roberts, Ph.D.  
Department of Biology  
Creighton University  
Omaha, Nebraska  
1997 – 1998

#### PUBLICATIONS:

##### Peer-Reviewed

**Picconi JL**, Muff-Luett MA, Wu D, Bunchman E, Schaefer F, Brophy PD. Kidney-specific expression of GFP by in-utero delivery of pseudotyped adeno-associated virus 9. *Molecular Therapy – Methods & Clinical Development*. 2014; 14014. PMID# 26015958.

Scheuerle A, **Picconi JL**, Neidich J, Panny S, Pletcher BA, Randolph LM, Trapane P, Trotter TL. The Childless Man. *American Journal of Medical Genetics Part A*. 2013; 9999 (1): 1. PMID 24311465.

Kamel MA, **Picconi JL**\*, Lara-Castillo N, Johnson ML. Activation of beta-catenin signaling in MLO-Y4 osteocytic cells versus 2T3 osteoblastic cells by fluid flow shear stress

and PGE2: Implications for the study of mechanosensation in bone. *Bone*. 2010; 47 (5): 872-881. PMID 20713195.

Kaur S, **Picconi JL\***, Chadha R, Kruger M, Mari G. Biophysical Profile in the Treatment of Intrauterine Growth-Restricted Fetuses who Weigh <1000 g. *American Journal of Obstetrics and Gynecology*. 2008; 199 (3): 264-265. PMID 18771977.

**Picconi JL**, Kruger M, Mari G. Ductus Venosus S-Wave / Isovolumetric A-Wave (SIA) Index and A-Wave Reversed Flow in Severely Premature Growth-Restricted Fetuses. *Journal of Ultrasound in Medicine*. 2008; 27 (9): 1283-1289. PMID 18716137.

**Picconi JL**, Hanif F, Drennan K, and Mari G. The Transitional Phase of Ductus Venosus Reversed Flow in Severely Premature IUGR Fetuses. *American Journal of Perinatology*. 2008; 25 (4): 199-204. PMID 18548391.

#### Review Articles:

**Picconi JL** and Mari G. Classification and Management of IUGR Fetuses. *Fetal and Maternal Medicine Review*. 2008; 19 (3): 1-17.

Mari G and **Picconi JL**. Doppler Vascular Changes in Intrauterine Growth Restriction. *Seminars in Perinatology* 2008; 32 (3): 182-189. PMID 18482619.

Johnson ML, **Picconi JL**, Recker RR. The Gene for High Bone Mass. *Endocrinologist*. 2002; 12 (5): 445-453.

#### PRESENTATIONS:

##### Oral Presentations:

Assimakopoulus A, Wentz C, Stokely L, **Picconi JL**, Chauhan SP, Viteri OA. First Trimester Pregnancy-Associated Plasma Protein-A (PAPP-A) in the Prediction of Adverse Perinatal Outcomes. 2020 Central Association of Obstetricians and Gynecologists Annual Meeting. Napa, CA. ## October 2020. Abstract ###

Okpala CU, **Picconi J**, Klein JM, Morris FH, Rijhsinghani A, Nuangchamnong N. Does observed vs expected lung head ratio correlate with neonatal survival in infants with congenital diaphragmatic hernias? 2014 OB/GYN Postgraduate Conference, Iowa City, IA. Proceedings in Obstetrics and Gynecology 2014; 4(3): 13. 24 October 2014

Muff-Luett MA, Wu D, **Picconi JL**, Bunchman E, Brophy PD. Adeno-Associated Virus 9 Expression of GFP in Mice



Using a Truncated Nephtrin Promoter. Proceedings, American Society of Nephrology, Atlanta, GA. J Am Soc Nephrology. 2013; 24 (Kidney Week Abstract Supplement): Page 63A, FR-OR111.

Muff-Luett MA, Wu D, **Picconi JL**, Bunchman E, Collins M, Brophy PD. Pseudotyped Adeno-Associated Virus 9 Expression of GFP in Mice using a Truncated Nephtrin Promoter. National Kidney Foundation 2013 Spring Clinical Meeting. Orlando, FL. 2 April 2013

**Picconi JL**, Muff-Luett M, Wu D, Bunchman E, Chen YH, Davidson BL, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Maternal Systemic Delivery. 80<sup>th</sup> Perinatal and Developmental Medicine Symposium. Aspen, CO. 8 June 2012.

**Picconi JL**, Muff-Luett M, Wu D, Bunchman E, Chen YH, Davidson BL, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Maternal Systemic Delivery. 2011 International Fetal Medicine and Surgery Society 30<sup>th</sup> Annual Meeting. Sedona, AZ. 14 May 2011.

**Picconi JL**, Muff-Luett M, Wu D, Bunchman E, Chen YH, Davidson BL, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Maternal Systemic Delivery. 2011 Pediatric Academic Societies & Asian Society for Pediatric Research Joint Meeting. Denver, CO. 1 May 2011.

**Picconi JL**, Hanif F, Drennan K, Kruger M, Mari G. Ductus Venosus SIA Index and A-Wave Reversed Flow in Severely Premature Growth-Restricted Fetuses. Southeast Michigan Center for Medical Education Research Forum 2009, 2<sup>nd</sup> Place in Oral Competition. Oakland University, Auburn Hills, MI. 20 May 2009

**Picconi JL**, Drennan K, Hanif F, Mari G. The Doppler Transitional Phase in Severely Premature IUGR Fetuses. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 555630, S51.

**Picconi JL**, Hanif F, Egerman R, Meyer N, Mari G. Aortic Isthmus Doppler Transitional Phase in IUGR Fetuses. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 555629, S134.

Detti L, **Picconi JL**, Yoscovits MR, Kruger ML, Diamond MP. Relationship Between Uterine Circulation and Serum Hormone Levels During the Implantation Period. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 565754, S46.

Drennan K, **Picconi JL**, Hanif F, Mari G. Umbilical Vein Pulsations are Caused by Increased Resistance in the Portal Circulation. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 555553, S132.

Patil A, **Picconi JL**, Meyer N, Egerman R, Mari G. Aortic Isthmus Reversed Flow and Arterial Cord pH in Fetuses Delivered at  $\leq 29$  Weeks and Weighing  $< 750$  Grams. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 549405, S134.

Samson J, **Picconi JL**, Egerman R, Meyer N, Mari G. Mitral and Tricuspid E/A Ratio Abnormality and Timing of Delivery of Severe IUGR Fetuses. Proceedings, American Institute of Ultrasound in Medicine. New York, NY. Journal of Ultrasound in Medicine 2009; 28 (3 Supplement): 552964, S133.

**Picconi JL**, Hanif F, Drennan K, Kruger M, Mari G. Ductus Venosus SIA Index and A-Wave Reversed Flow in Severely Premature Growth-Restricted Fetuses. Wayne State University Department of Obstetrics and Gynecology Grand Rounds. Detroit, MI. 24 March 2009.

**Picconi JL**, Drennan K, Hanif F, Mari G. The Doppler Transitional Phase in Severely Premature IUGR Fetuses. Wayne State University Department of Obstetrics and Gynecology Grand Rounds. Detroit, MI. 24 February 2009.

**Picconi JL**, Hanif F, Drennan K, Mari G. Ductus Venosus SIA Index and A-wave Reversed Flow in Severely Premature Growth-Restricted Fetuses. Proceedings, International Society of Ultrasound in Obstetrics and Gynecology. Chicago, IL. Ultrasound in Obstetrics and Gynecology 2008; 32 (3): OC116, 281.

Drennan K, **Picconi JL**, Hanif F, Mari G. Are Double Pulsations in the Umbilical Vein Equivalent to A-wave

Reversal in the Ductus Venosus in the Management of IUGR? Proceedings, International Society of Ultrasound in Obstetrics and Gynecology. Chicago, IL. Ultrasound in Obstetrics and Gynecology 2008; 32 (3): OC117, 281.

**Picconi JL**, Hanif F, Drennan K, Mari G. Ductus Venosus Reversed Flow in IUGR Fetuses: Is it an Indication for Delivery at Less than 30 Weeks' Gestation? Proceedings, American Institute of Ultrasound in Medicine. San Diego, CA. Journal of Ultrasound in Medicine 2008; 27 (3): 411205, S90.

Drennan KJ, Hanif F, Kruger M, **Picconi JL**, Mari G. The Relationship of Pulsatile Flow in the Umbilical Vein to Reversal of Flow in the Ductus Venosus in Fetuses with Intrauterine Growth Restriction. Proceedings, American Institute of Ultrasound in Medicine. San Diego, CA. Journal of Ultrasound in Medicine 2008; 27 (3): 409970, S40.

Hanif F, Drennan K, **Picconi JL**, Mari G. Ductus Venosus Reversed Flow and Arterial Cord pH in Fetuses Delivered at Less Than 30 Weeks and Weighing Less Than 750g. Proceedings, American Institute of Ultrasound in Medicine. San Diego, CA. Journal of Ultrasound in Medicine 2008; 27(3): 411526, S90.

**Picconi JL**, Johnson ML. *In Vitro* Regulation of COX-2 Expression in Clonal Osteogenic Cells Following Pulsatile Fluid Flow. 5<sup>th</sup> Annual Meeting of the Great Plains States Society for Molecular Biology and Genetics. Omaha, NE. 8 June 2004

**Picconi JL**, Johnson ML. *In Vitro* Regulation of *Ptgs2* and *Nos3* Expression in Clonal Osteogenic Cells Following Pulsatile Fluid Flow. Creighton University Medical Center. Graduate School Seminar. Omaha, NE. 4 June 2004

**Picconi JL**, Johnson ML. Shear Stress-Dependent Regulation of Endothelial Nitric Oxide Synthase Expression in 2T3 Osteoblastic Cells. Midwest Student Biomedical Research Forum. Omaha, NE. 21 February 2004

**Picconi JL**. Mechanical Loading of High Bone Mass Bone Cells. Creighton University Medical Center. Graduate School Seminar. Omaha, NE. 26 February 2002

**Picconi JL**, Bertoni JM. Epidemiology of Parkinson's Disease in the State of Nebraska. Creighton University Biology Colloquium. Omaha, NE. 12 May 1998

Poster Presentations:

Muff-Luett MA, Wu D, **Picconi JL**, Collins M, Bunchman E, Brophy PD. rAAV9 Expression of GFP in Mice Using a Truncated Nephron Promoter. 2013 American Society of Pediatric Nephrology Annual Meeting. Washington, D.C. 6 May 2013. Abstract 3810.221

**Picconi JL**, Muff-Luett M, Bunchman E, Wu D, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Maternal Systemic Delivery. Proceedings, Society for Gynecologic Investigation, Orlando, FL. Reproductive Sciences 2013; 20(3): S-158.

**Picconi JL**, Wu D, Muff-Luett M, Bunchman E, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Systemic Delivery. 2011 University of Iowa Pediatric Research Day. Iowa City, IA. 25 March 2011.

**Picconi JL**, Wu D, Chen YH, Muff-Luett M, Bunchman E, Davidson BL, Brophy PD. AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Maternal Systemic Delivery. 2011 University of Iowa Pediatric Research Day. Iowa City, IA. 25 March 2011.

**Picconi JL**, Drennan K, Hanif F, Mari G. The Doppler Transitional Phase in Severely Premature IUGR Fetuses. Proceedings, Society for Maternal-Fetal Medicine. San Diego, CA. Am J Obstet Gynecol. 2008; 199 (6): 280, S89.

**Picconi JL**, Hanif F, Egerman R, Meyer N, Mari G. Aortic Isthmus Doppler Transitional Phase in IUGR Fetuses. Proceedings, Society for Maternal-Fetal Medicine. San Diego, CA. Am J Obstet Gynecol. 2008; 199 (6): 304, S95.

Drennan K, **Picconi JL**, Hanif F, Mari G. Umbilical Vein Pulsations are Caused by Increased Resistance in the Portal Circulation. Proceedings, Society for Maternal-Fetal Medicine. San Diego, CA. Am J Obstet Gynecol. 2008; 199 (6): 281, S89.

Patil A, **Picconi JL**, Meyer N, Egerman R, Mari G. Aortic Isthmus Reversed Flow and Arterial Cord pH in Fetuses Delivered at  $\leq 29$  Weeks and Weighing  $< 750$  Grams. Proceedings, Society for Maternal-Fetal Medicine. San Diego, CA. Am J Obstet Gynecol. 2008; 199 (6): 360, S110.

Samson J, **Picconi JL**, Egerman R, Meyer N, Mari G. Mitral and Tricuspid E/A Ratio Abnormality and Timing of Delivery

of Severe IUGR Fetuses. Proceedings, Society for Maternal Fetal Medicine. San Diego, CA. Am J Obstet Gynecol. 2008; 199 (6): 333, S103.

**Picconi JL**, Hanif F, Drennan K, Kruger M, Mari G. Ductus Venosus Isovolumetric Relaxation in Severely Premature Growth-Restricted Fetuses. Proceedings, Society for Gynecologic Investigation. San Diego, CA. Reproductive Sciences 2008; 15 (2): 124A, 222.

**Picconi JL**, Drennan K, Hanif F, Mari G. Ductus Venosus Reversed Flow in IUGR Fetuses: Is it an Indication for Delivery at Less than 30 Weeks' Gestation? Proceedings, Society for Maternal-Fetal Medicine. Dallas, TX. Am J Obstet Gynecol. 2007; 197 (6): A732, S208.

Drennan K, Hanif F, Kruger M, **Picconi JL**, Mari G. The Relationship of Pulsatile Flow in the Umbilical Vein to Reversal of Flow in the Ductus Venosus in Fetuses with IUGR. Proceedings, Society for Maternal-Fetal Medicine. Dallas, TX. Am J Obstet Gynecol. 2007; 197 (6): A739, S210.

Hanif F, Drennan K, **Picconi JL**, Mari G. Ductus Venosus Reversed Flow and Arterial Cord pH in Fetuses Delivered at < 30 weeks and Weighing < 750 Grams. Proceedings, Society for Maternal-Fetal Medicine. Dallas, TX. Am J Obstet Gynecol. 2007; 197 (6): A733, S208.

Cosgrove D, Delimont D, Meehan D, **Picconi JL**, Ludlow S, Rao V. Metalloelastase (MMP-12) Induction in Podocytes is Central to the Mechanism of Alport Glomerular Pathogenesis. Proceedings, American Society of Nephrology. St. Louis, MO. J Am Soc Nephrology. 2004; 15 (Renal Week Abstract Supplement): 703A, SU-PO785.

Rao V, Delimont D, Meehan D, **Picconi JL**, Ludlow S, Cosgrove D. Progressive Induction of Stromelysin (MMP-3) and Matrilysin (MMP-7) is Associated with Developing Renal Pathogenesis in Alport Mice. Proceedings, American Society of Nephrology. St. Louis, MO. J Am Soc Nephrology. 2004; 15 (Renal Week Abstract Supplement): 706A, SU-PO803.

**Picconi JL**, Johnson ML. NO-Dependent Decreased Expression of eNOS Following Pulsatile Fluid Flow. Proceedings, American Society for Bone and Mineral Research. Seattle, WA. J Bone Miner Res. 2004; 19 (Suppl 1): S391, M198.

**Picconi JL**, Johnson ML. Biphasic Expression of COX-2 in Response to Pulsatile Fluid Flow. Proceedings, American Society for Bone and Mineral Research. Seattle, WA. J Bone Miner Res 2004; 19 (Suppl 1): S392, M199.

**Picconi JL**, Johnson ML. *In Vitro* Regulation of COX-2 Expression in Clonal Osteogenic Cells Following Pulsatile Fluid Flow. 5<sup>th</sup> Annual Meeting of the Great Plains States Society for Molecular Biology and Genetics. Omaha, NE. 7 June 2004.

**Picconi JL**, Johnson ML. Bimodal Response of Gene Expression in Bone Cells to Pulsatile Fluid Flow. 4<sup>th</sup> Annual Meeting of the Great Plains States Society for Molecular Biology and Genetics. Omaha, NE. 3 June 2003.

**Picconi JL**, Johnson ML. The Effects of Smoking on the High Bone Mass Trait in Humans. 1<sup>st</sup> Annual Meeting of The Great Plains States Society for Molecular Biology and Genetics. Omaha, NE. 19 May 2000.

Invited Lectures:

Fetal Growth Restriction: Diagnosis and Management  
Annual FOGSI-SMFM-Gestosis Programme Web Conference  
Federation of Obstetric and Gynaecological Societies of India  
Society for Maternal-Fetal Medicine  
Organisation Gestosis India Chapter  
Mumbai, India. 23 May 2020

Fetal Growth Restriction  
43<sup>rd</sup> Annual South Dakota Perinatal Association Conference  
Rapid City, SD. 19 September 2019

Obesity in Pregnancy  
42<sup>nd</sup> Annual South Dakota Perinatal Association Conference  
Chamberlain, SD. 22 September 2017

Twin-Twin Transfusion Syndrome: Etiology, Management,  
and Outcomes  
41<sup>st</sup> Annual South Dakota Perinatal Association Conference  
Spearfish, SD. 8 September 2016

Hypertension in Pregnancy  
6<sup>th</sup> Annual Avera Women's Conference for the Primary Care  
Provider  
Sioux Falls, SD. 2 October 2015

Evaluating Increased Nuchal Translucency in the

First Trimester  
40<sup>th</sup> Annual South Dakota Perinatal Association Conference  
Mitchell, SD. 11 September 2015

Pregnancy and Neurofibromatosis  
Annual Children's Tumor Foundation  
Neurofibromatosis Symposium  
Coralville, IA. 29 June 2013

HIV Management in Pregnancy  
7<sup>th</sup> Annual Controversies and Advances in Perinatal Medicine:  
Infections in Pregnancy  
Mercy Medical Center – Des Moines  
Des Moines, IA. 26 October 2012

Large Nuchal Translucency and Normal Chromosomes:  
What is the Workup?  
Scientific Forum on Genetics  
Society for Maternal-Fetal Medicine 31<sup>st</sup> Annual Meeting  
San Francisco, CA. 9 February 2011

#### LOCAL AND REGIONAL CME TALKS:

|            |  |
|------------|--|
| 3/12/2019  | Bacterial Meningitis in Pregnancy<br>Obstetrics Mortality and Morbidity Conference<br>Avera McKennan Hospital        |
| 4/10/2018  | Antenatal Corticosteroids in the Late Preterm Period<br>Avera Medical Group OB/GYN Update<br>Avera McKennan Hospital |
| 1/12/2017  | Noninvasive Prenatal Screening<br>Family Medicine Residency Noon Conference<br>Center for Family Medicine            |
| 10/20/2016 | Obesity in Pregnancy<br>Obstetrics Morbidity and Mortality Conference<br>Avera McKennan Hospital                     |
| 09/08/2015 | Maternal Cardiac Arrest<br>Obstetrics Morbidity and Mortality Conference<br>Avera McKennan Hospital                  |
| 07/20/2015 | Congenital Diaphragmatic Hernia<br>MFM Case Conference<br>Avera McKennan Hospital                                    |
| 07/20/2015 | Fetal Hydrothorax<br>MFM Case Conference   |

|            |   |
|------------|---|
|            | Avera McKennan Hospital   |
| 06/09/2015 | Pulmonary Embolus in Pregnancy<br>Obstetrics Mortality and Morbidity Conference<br>Avera McKennan Hospital  |
| 03/02/2015 | What Can Maternal-Fetal Medicine do for your Obstetrical Practice?<br>Pipestone County Medical Center and Family Medical Clinic<br>Avera  |
| 06/03/14   | Kidney-Specific Expression of GFP by In-Utero Delivery of Pseudotyped Adeno-Associated Virus 9<br>Grand Rounds<br>Department of Obstetrics and Gynecology<br>University of Iowa Hospitals and Clinics |
| 03/28/14   | Prenatal Diagnosis of Congenital Lymphedema<br>Clinical & Molecular Genetics Case Review Conference<br>Department of Pediatrics<br>University of Iowa Hospitals and Clinics                           |
| 11/27/12   | HIV Management in Pregnancy<br>Grand Rounds<br>Department of Obstetrics and Gynecology<br>University of Iowa Hospitals and Clinics  |
| 08/31/12   | Multiple Congenital Anomaly Patients<br>Clinical & Molecular Genetics Case Review Conference<br>Department of Pediatrics<br>University of Iowa Hospitals and Clinics                                  |
| 03/23/12   | Nystagmus and Hearing Loss<br>Clinical & Molecular Genetics Case Review Conference<br>Department of Pediatrics<br>University of Iowa Hospitals and Clinics  |
| 01/26/12   | Renal Anomalies<br>Fetal Diagnosis and Treatment Conference<br>Department of Obstetrics and Gynecology<br>University of Iowa Hospitals and Clinics  |
| 01/19/12   | Interesting Masses<br>Fetal Diagnosis and Treatment Conference<br>Department of Obstetrics and Gynecology<br>University of Iowa Hospitals and Clinics   |
| 01/17/12   | AAV9-mediated expression in fetal kidneys following <i>in-</i>  |



*utero* systemic delivery  
Annual Research Retreat  
Department of Obstetrics and Gynecology  
University of Iowa Hospitals and Clinics

01/12/12      Cardiology Patients – Delivered and Not.  
Fetal Diagnosis and Treatment Conference  
Department of Obstetrics and Gynecology  
University of Iowa Hospitals and Clinics

12/21/11      AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Systemic Delivery.  
Pediatric Fellows' Conference  
Department of Pediatrics  
University of Iowa Hospitals and Clinics

11/11/11      Congenital cataract and pervasive developmental disorder  
Clinical & Molecular Genetics Case Review Conference  
Department of Pediatrics  
University of Iowa Hospitals and Clinics

10/11/11      Management of Inborn Errors of Metabolism in Pregnancy  
Grand Rounds  
Department of Obstetrics and Gynecology  
University of Iowa Hospitals and Clinics

04/27/11      AAV9-Mediated Expression in Fetal Kidneys following *In-Utero* Systemic Delivery.  
Pediatric Fellows' Conference  
Department of Pediatrics  
University of Iowa Hospitals and Clinics

12/13/10      Evidence-Based Closure of Hysterotomy at the time of  
Cesarean Delivery.  
Grand Rounds  
Department of Obstetrics and Gynecology  
University of Iowa Hospitals and Clinics

EDITORIAL ACTIVITIES:

Reviewer:

Obstetrics and Gynecology  
2018 – Present

South Dakota Medicine  
2018 – Present

ADMINISTRATIVE SERVICE:

Co-Chair, Perinatal Collaborative Committee  
Avera McKennan Hospital and University Health Center  
September 2019 – Present

Medical Director, Perinatal Transport  
Avera Careflight  
Avera McKennan Hospital and University Health Center  
September 2019 - Present

MD/PhD Admissions Standing Committee  
University of South Dakota Sanford School of Medicine  
July 2020 – June 2021

Admissions Committee  
University of South Dakota Sanford School of Medicine  
July 2019 – June 2021

Obstetrics Quality and Safety Committee  
Avera McKennan Hospital and University Health Center  
July 2018 – Present

Education Subcommittee  
Obstetrics and Gynecology Service Line  
Avera Medical Group  
July 2018 – July 2019

Board of Governors  
South Dakota Perinatal Association  
September 2015 – September 2020

Evidence-Based Practice Subcommittee  
Obstetrics and Gynecology Service Line  
Avera Medical Group  
April 2015 – April 2016

Curriculum Renewal Committee on Mechanisms of Health  
and Disease (MOHD)  
Genetics, Neoplasia, and Development Task Force  
University of Iowa Carver College of Medicine  
February 2012 – September 2012

Resident Representative for ACGME Site Visit  
Obstetrics and Gynecology Residency Program  
Wayne State University / Detroit Medical Center  
November 2009

Resident Physician Council  
Wayne State University / DMC  
August 2007 – June 2010

Resident Liaison

Obstetrics and Gynecology Medical Student Interest Group  
Wayne State University School of Medicine  
August 2006 – June 2010

Cerner Electronic Medical Record Implementation Super User  
Detroit Medical Center  
August 2006 – June 2010

Honor Code Committee  
Creighton University School of Medicine  
August 2005 – June 2006

Class of 2006 Fundraising Committee  
Creighton University School of Medicine  
August 2005 – June 2006

Subcommittee on Wireless PDA Implementation  
Medical Education Management Team  
Creighton University School of Medicine  
August 2005 – June 2006

Admissions Committee  
Creighton University School of Medicine  
August 2000 – June 2006

Committee on Student Research and Scholarly Activity  
Creighton University School of Medicine  
August 1999 – June 2006

**OTHER WORK EXPERIENCE:**

|                    |  |
|--------------------|--|
| Research Assistant | Department of Neurology<br>John M. Bertoni, M.D., Ph.D.<br>Saint Joseph's Hospital<br>Omaha, Nebraska<br>1997 – 1998 |
|--------------------|--|

|              |   |
|--------------|---|
| Phlebotomist | Harris Laboratories<br>Omaha, Nebraska<br>1995 – 1997 |
|--------------|---|

|              |   |
|--------------|---|
| Phlebotomist | Plasma Alliance<br>Omaha, Nebraska<br>1995 – 1996 |
|--------------|---|

**HONORS AND AWARDS:**

|            |   |
|------------|---|
| Residency: | Outstanding Resident in Obstetrics – October 2007 |
|------------|---|

|                 |  |
|-----------------|--|
| Medical School: | Creighton University Superior Scholastic Achievement |
|-----------------|--|

Award – 2001  
Nominated for Creighton University Outstanding  
Student Leader Award – 2000  
Creighton University Medical Scientist Training Program  
Scholarship – 1999 to 2006  
Medical Dean’s Research Scholarship – 1999

Clerkship Honors: Intro to Anesthesiology Clerkship (ANE 461) - 2006  
Neonatology Intensive Care Clerkship (PDT 464) – 2006  
Intro to Pathology Practice Clerkship (PTG 461) – 2006  
Pediatric Surgery Clerkship (SUR 477) – 2006  
Children’s Hospital of Omaha  
Omaha, Nebraska  
Prenatal Diagnosis Clerkship (OBG 464) – 2005  
Maternal-Fetal Medicine Clerkship (OBG 300) - 2005  
Hospital of the University of Pennsylvania  
Philadelphia, Pennsylvania  
Maternal-Fetal Medicine Clerkship (507-5620) - 2005  
Vanderbilt University Medical Center  
Nashville, Tennessee  
Endocrine System Clerkship (IDC 213) – 1999

Undergraduate: Dean’s Academic Honor Roll – 1995 to 1998  
Ahmanson Foundation Scholarship – 1995 to 1998  
Inducted into Eta Sigma Phi, National Honor  
Society for Latin and Greek – 1998  
Inducted into Phi Sigma, National Honor Society  
for Biology – 1998  
Inducted into Phi Sigma Tau, National Honor  
Society for Philosophy – 1997

#### SCIENTIFIC / MEDICAL SOCIETIES:

Active: American College of Medical Genetics and Genomics  
American College of Obstetricians and Gynecologists  
American Institute of Ultrasound in Medicine  
American Medical Association  
American Society of Human Genetics  
European Society of Human Genetics  
International Society for Prenatal Diagnosis  
International Society for Ultrasound in Obstetrics and  
Gynecology  
Society for Maternal-Fetal Medicine  
Society of US Army Flight Surgeons  
South Dakota Perinatal Association  
South Dakota State Medical Association

Inactive: American Society for Bone and Mineral Research  
American Society for Gene and Cell Therapy

Association of Military Surgeons of the United States  
International Fetal Medicine and Surgery Society  
Society for Reproductive Investigation

**MILITARY SKILL IDENTIFIERS:**

|                             |  |
|-----------------------------|--|
| Primary AOC:                | 60J (Obstetrician and Gynecologist)                      |
| Secondary AOC:              | 61N (Flight Surgeon)                                     |
| Secondary AOC:              | 62B (Field Surgeon)                                      |
| Skill Identifier:           | 5K (Instructor)  |
| Skill Identifier:           | 8Z (Medical Research, Development, Test, and Evaluation) |
| Skill Identifier:           | 9B (Medical Proficiency)                                 |
| Expert Qualification Badge: | M-9 Pistol   |
| Expert Qualification Badge: | M-4 Rifle  |
| SSI-FWTS:                   | 449 Combat Aviation Brigade                              |

**MILITARY AWARDS:**

Army Commendation Medal 2010, 2018  
Army Achievement Medal 2001, 2007, 2014  
Army Reserve Components Achievement Medal  
2001, 2004, 2007, 2011, 2013, 2016, 2019  
National Defense Service Medal 1991, 2001  
Global War on Terrorism Expeditionary Medal 2018  
Global War on Terrorism Service Medal 2009  
Armed Forces Reserve Medal (M) 2011, 2014, 2018  
Army Service Ribbon 1998  
Army Overseas Service Ribbon 2018  
Air Force Training Ribbon 1991  
Iowa National Guard State Service Ribbon 2015  
Michigan National Guard Broadsword Service Medal 2009  
Nebraska National Guard Service Medal 2003  
Meritorious Unit Citation 2018

**MILITARY SERVICE:**

|  |   |
|--|---|
| Lieutenant Colonel (O-5)<br>Flight Surgeon           | 209 <sup>th</sup> Medical Company (AS)<br>Iowa City, Iowa<br>Iowa Army National Guard<br>1 July 2010 – Present  |
| Lieutenant Colonel (O-5)<br>Battalion Flight Surgeon | 248 <sup>th</sup> Aviation Support Battalion<br>449 <sup>th</sup> Combat Aviation Brigade<br>Camp Buehring, Kuwait<br>8 June 2018 – 12 September 2018 |
| Major (O-4)<br>Perinatologist                        | Carl R. Darnall Army Medical Center<br>Fort Hood, Texas<br>June 2014 – November 2014  |
| Major (O-4)  | Joint Forces Headquarters   |

|  |   |
|--|---|
| Field Surgeon  | Medical Command Detachment<br>Detroit, Michigan<br>Michigan Army National Guard<br>1 July 2006 – 30 June 2010   |
| Captain (O-3)<br>Officer in Charge of<br>Basic Life Support &<br>Combat Life Saver Courses | Headquarters, State Area Command<br>Medical Command<br>Lincoln, Nebraska<br>Nebraska Army National Guard<br>22 July 2003 – 1 July 2006  |
| First Lieutenant (O-2)<br>Medical Platoon Leader   | 67 <sup>th</sup> Forward Support Battalion<br>Company C (Med)<br>Camp Ashland, Nebraska<br>Nebraska Army National Guard<br>15 June 2002 – 10 September 2003                               |
| Second Lieutenant (O-1)<br>Medical Platoon Leader  | Headquarters Company<br>1 <sup>st</sup> Squadron, 167 <sup>th</sup> Cavalry<br>Lincoln, Nebraska<br>Nebraska Army National Guard<br>2 June 2001 – 14 June 2002                            |
| Second Lieutenant (O-1)<br>Medical Service Corps   | Headquarters, State Area Command<br>Detachment 3 Health and Dental Section<br>Lincoln, Nebraska<br>Nebraska Army National Guard<br>27 December 1998 – 1 June 2001                         |
| Specialist (E-4)<br>91B Combat Medic   | Headquarters Company<br>1 <sup>st</sup> Battalion, 134 <sup>th</sup> Infantry Regiment (Mechanized)<br>Omaha, Nebraska<br>Nebraska Army National Guard<br>21 November 1998 – 10 June 2000 |
| Senior Airman (E-4)<br>Squadron Medical Element  | 45 <sup>th</sup> Reconnaissance Squadron<br>Offutt Air Force Base, Nebraska<br>United States Air Force<br>1 January 1992 – 16 June 1995   |
| Senior Airman (E-4)<br>Aeromedical Specialist  | 55 <sup>th</sup> Aerospace Medical Squadron / SGPF<br>Offutt Air Force Base, Nebraska<br>United States Air Force<br>27 September 1991 – 16 June 1995                                      |
| MILITARY EDUCATION:  | Tactical Combat Medical Care Course<br>Fort Sam Houston, Texas<br>5 February 2018 – 9 February 2018   |

Army Flight Surgeon Primary Course  
Fort Rucker, Alabama  
Phase I 4 October 2015 – 23 October 2015  
Phase II 31 October 2016 – 18 November 2016

Small Group Instructor Training Course  
Camp Ashland, Nebraska  
8 September 2003 – 11 September 2003

Medical Effects of Ionizing Radiation Course  
Offutt Air Force Base, Nebraska  
7 June 2003 – 8 June 2003

Total Army Instructor Training Course  
Camp Ashland, Nebraska  
8 February 2003 – 23 March 2003

AMEDD Officer Advanced Course Phase I  
Correspondence Sub-course  
12 August 2002 – 10 September 2003

Medical Management of Chemical and Biological  
Casualties Course  
Aberdeen Proving Ground, Maryland  
Fort Detrick, Maryland  
15 September 2001 – 21 September 2001

AMEDD Reserve Component Officer Basic Course  
Fort Sam Houston, Texas  
10 July 2000 – 21 July 2000

Hearing Conservationist Course  
Brooks Air Force Base, Texas  
16 July 1991 – 24 September 1991

Aeromedical Specialist Course  
Brooks Air Force Base, Texas  
16 July 1991 – 24 September 1991

Air Force Basic Military Training School  
Lackland Air Force Base, Texas  
21 May 1991 – 16 July 1991

COMMUNITY SERVICE:

Assistant Scoutmaster  
Boy Scout Troop 48  
Sioux Falls, SD  
January 2017 - Present